

Fig. 1 a

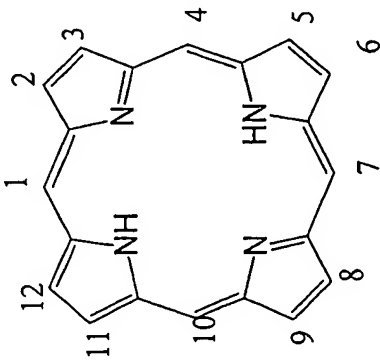
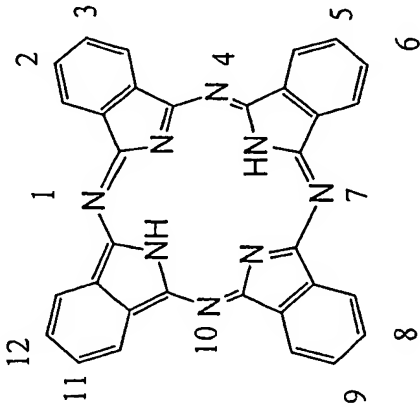
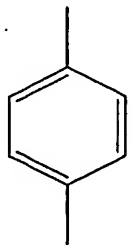
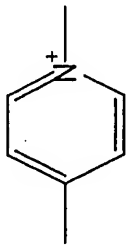
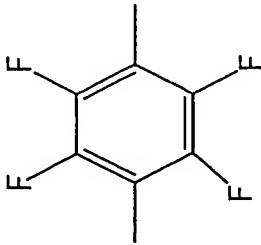

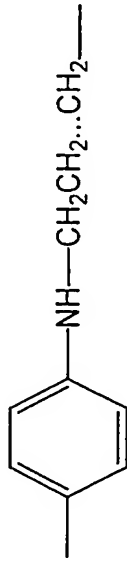
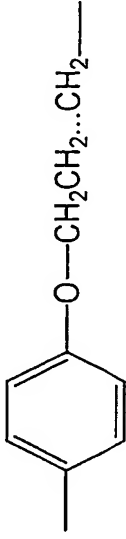
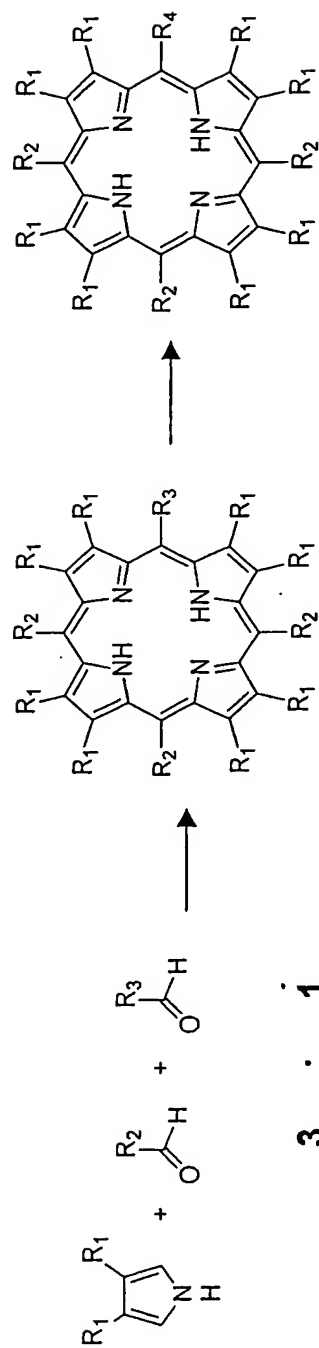
X	Y	Z
<p data-bbox="418 1402 795 1759">  </p> <p data-bbox="833 1493 865 1654">Porphyrin</p> <p data-bbox="971 1371 1388 1774">  </p> <p data-bbox="1425 1440 1458 1675">Phthalocanine</p>	<p data-bbox="305 871 435 1113">  </p> <p data-bbox="487 871 613 1113">  </p> <p data-bbox="630 871 889 1113">  </p> <p data-bbox="982 741 1104 1255">  </p> <p data-bbox="1144 699 1269 1255">  </p> <p data-bbox="1318 720 1442 1255">  </p>	<p data-bbox="451 388 500 562">$\text{---N}^+(\text{CH}_3)_3$</p> <p data-bbox="613 363 662 562">$\text{---N}^+\text{H}(\text{CH}_3)_2$</p> <p data-bbox="795 363 844 562">$\text{---N}^+\text{H}_2(\text{CH}_3)$</p> <p data-bbox="982 388 1031 514">$\text{---N}^+\text{H}_3$</p> <p data-bbox="1112 241 1226 598"> $\text{---N}^+(\underbrace{\text{CH}_2\text{CH}_2\text{CH}_2\cdots\text{CH}_2}_m)_3$ </p>

Fig. 1 b

Formula I



Formula II

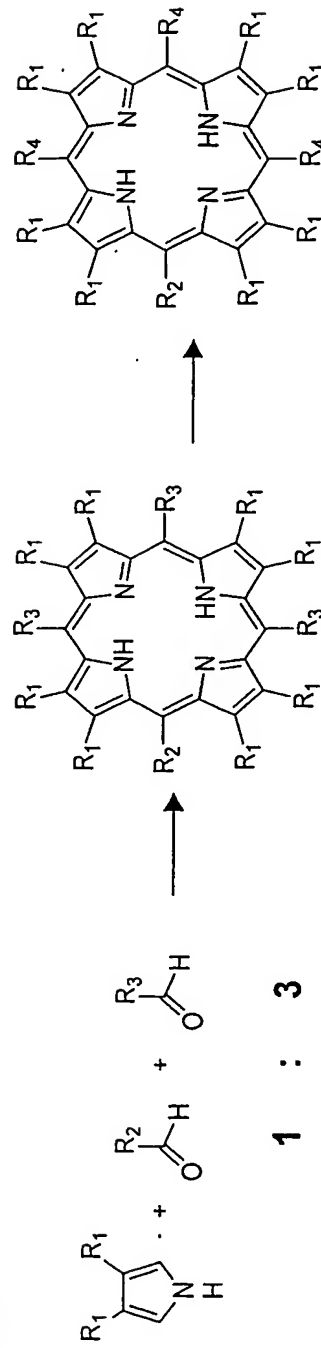
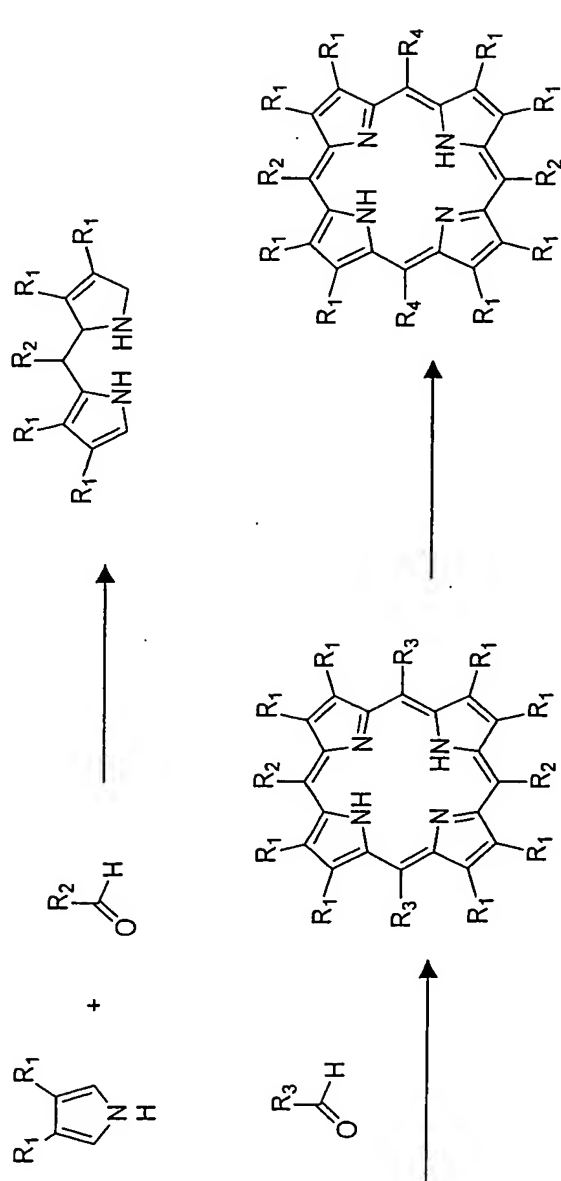
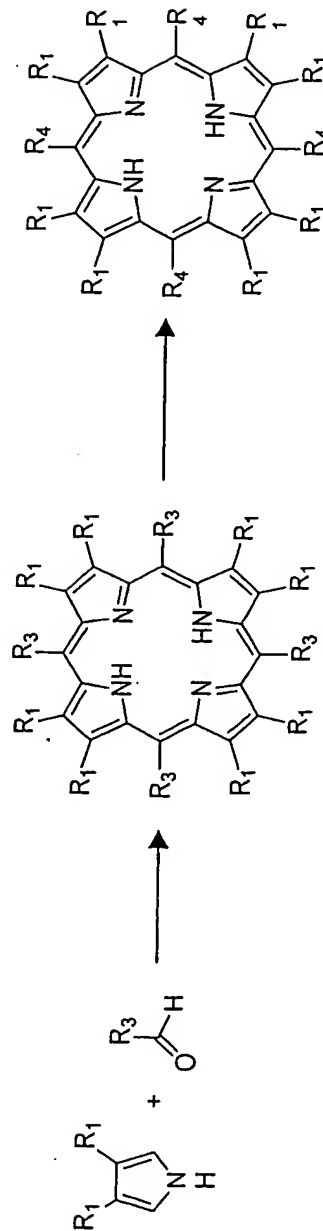


Fig. 1 b (continued)

Formula III



Formula IV



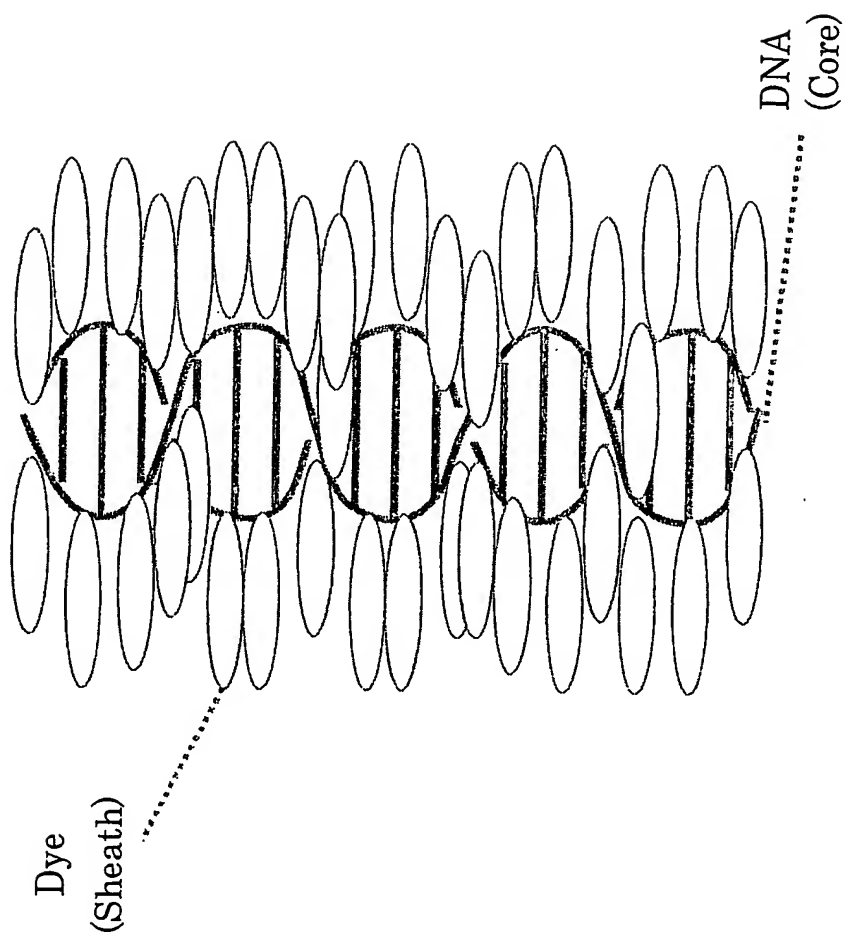


Fig. 2

Fig. 3

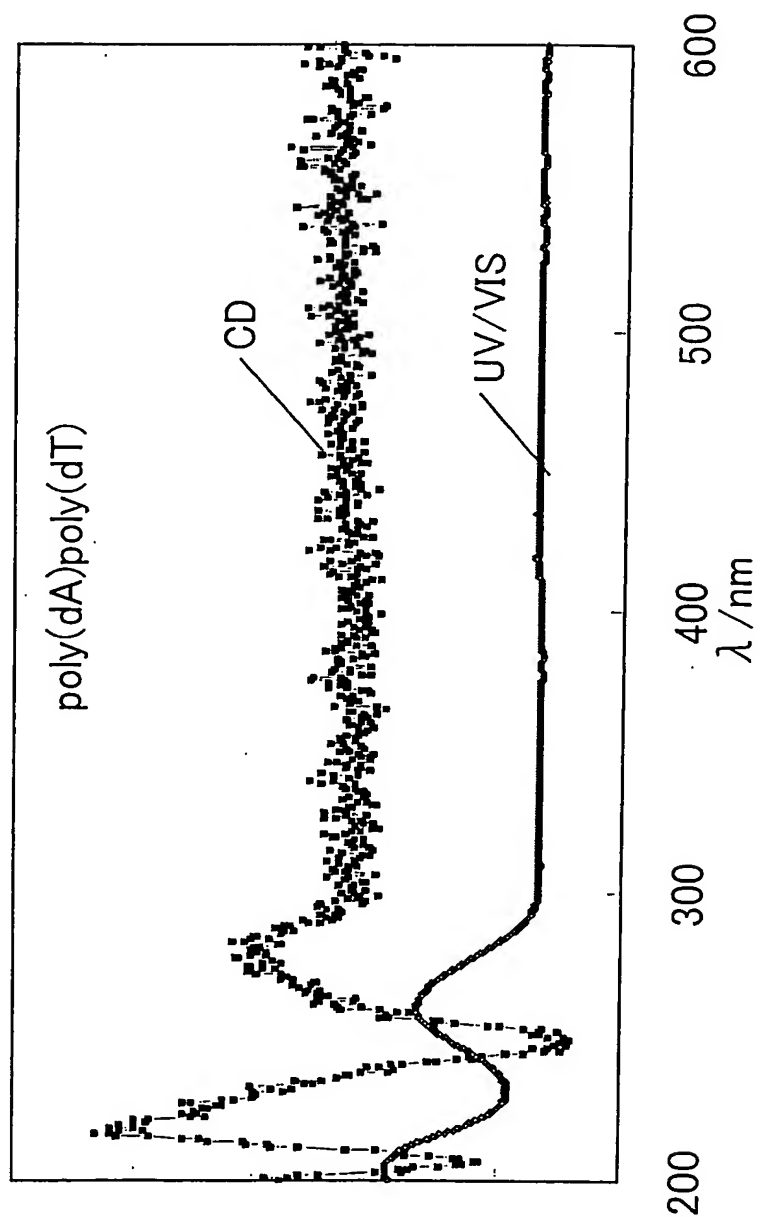


Fig. 4

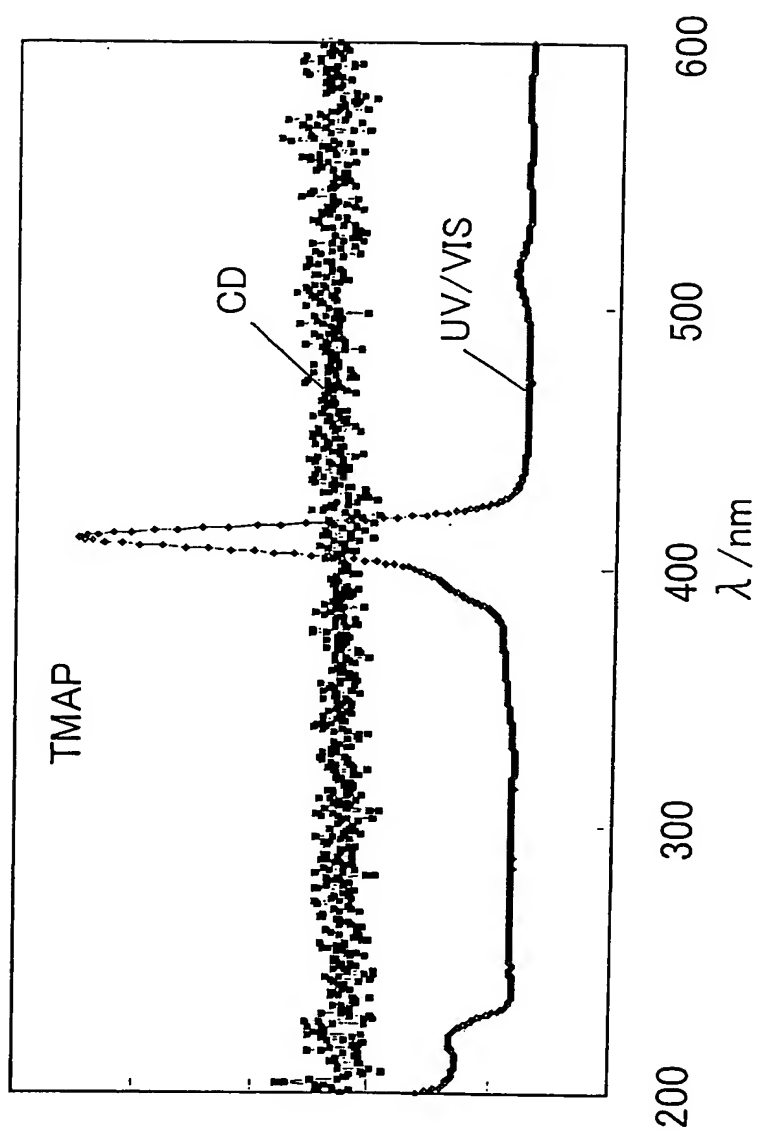


Fig. 5

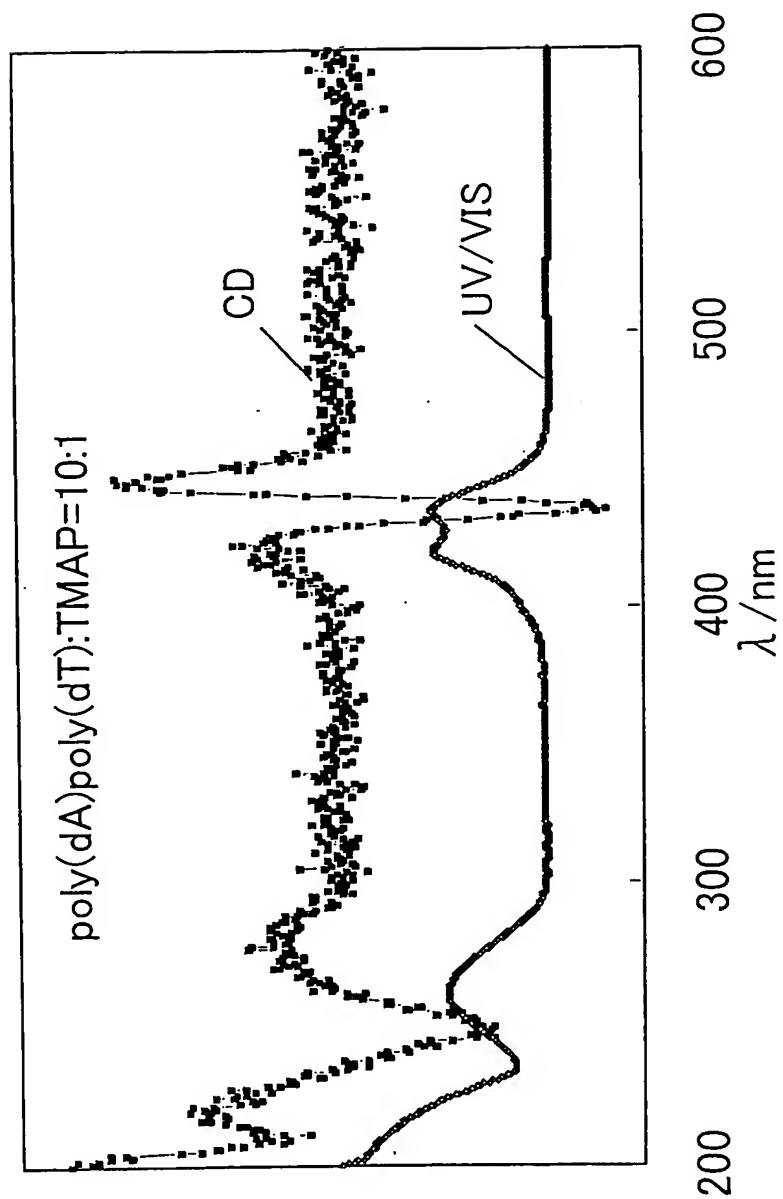


Fig. 6

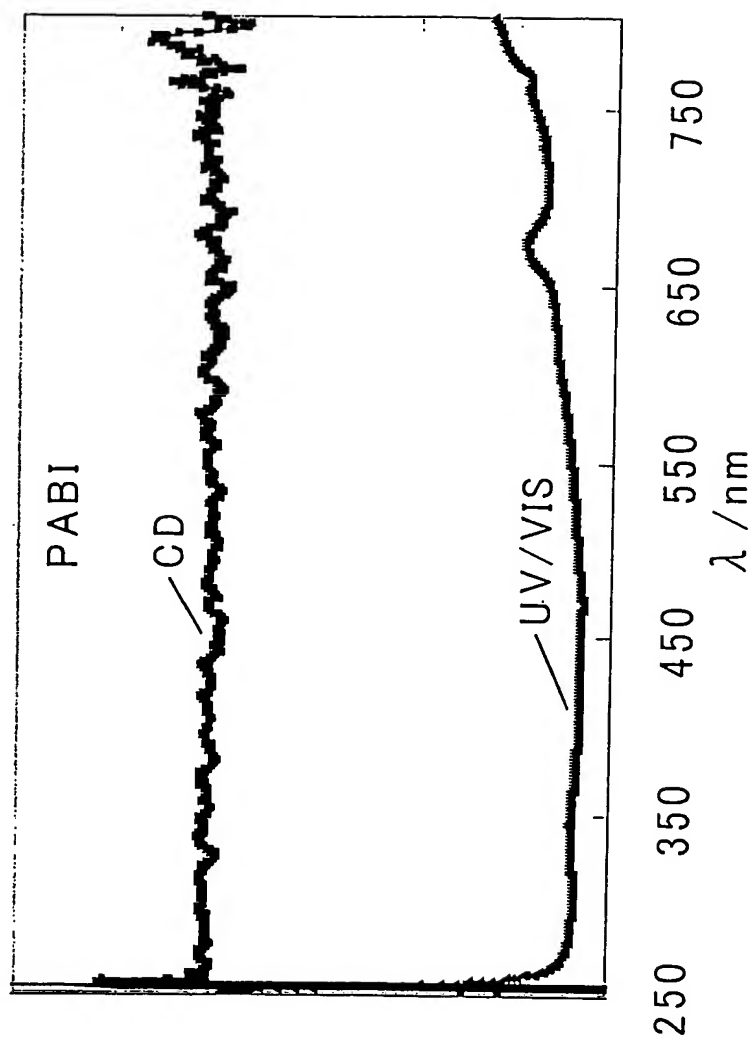


Fig. 7

